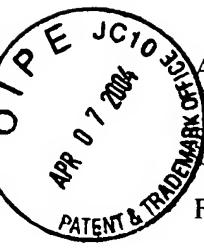


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant:	Gillston, et al.	:	Examiner:	Not Yet Assigned
Serial No.:	10/726,262	:	Group Art Unit:	3747
Filing Date:	December 2, 2003	:	Docket No.	01-40147-US-C1
Title:	Catalytic Combustion	:		
	Surfaces And Method For	:		
	Creating Catalytic	:		
	Combustion Surfaces	:		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

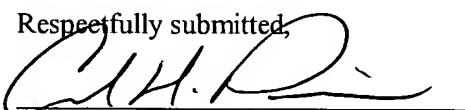
INFORMATION DISCLOSURE STATEMENT

Sir:

The references listed in Form PTO-1449 were either submitted by the Applicant or cited by the Examiner in prior application – 09/920,132 filed August 1, 2001, now U.S. Patent No. 6,655,369 dated December 2, 2003, identified in the present Information Disclosure Statement and relied on for an earlier filing date under 35 U.S.C. § 120. The Information Disclosure Statement submitted in the earlier application complies with 37 C.F.R. § 1.98(a)-(c). Accordingly, pursuant to 37 C.F.R. § 1.98(d), copies of the aforementioned documents are not submitted herewith.

It is respectfully requested that these documents be (1) fully considered during the Examination of the application; and (2) printed on any patent that may issue on the application.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists. The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Respectfully submitted,


Carl H. Pierce
Reg. No. 45,730
REED SMITH LLP
2500 One Liberty Place
1650 Market Street
Philadelphia, PA 19103-7301
(215) 241-7970

Certificate Of Mailing

I Hereby Certify That This Correspondence Is Being Deposited With The United States Postal Service As First-Class Mail In An Envelope Addressed To Commissioner For Patents, P.O. Box 1450, Alexandria, Va 22313-1450,
On: April 5, 2004 Name: Carrie A. McPherson Signature: Carrie A. McPherson

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
 (MODIFIED) PATENT AND TRADEMARK OFFICE
 INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT
 (Use several sheets if necessary)
 (37 CFR 1.96(b))

ATTY. DOCKET NO.
 01-40147-US-C1
 SERIAL NO.
 10/726,262

APPLICANT
 Gillston et al.

FILING DATE
 December 2, 2003
 GROUP
 3747

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2	6	6	4	8	7	3	1/1954	Graham			
	2	9	1	4	0	4	8	11/1959	Philipp			
	3	1	6	6	8	5	9	1/1965	Slayter et al.			
	3	2	3	3	6	9	7	2/1966	Slayter et al.			
	3	3	0	2	3	9	4	2/1967	Pahnke et al			
	3	4	1	9	3	6	3	12/1968	Sliney			
	3	4	5	9	1	6	7	8/1969	Briggs et al.			
	3	6	4	8	6	7	6	3/1972	Lowman, Jr.			
	3	6	4	9	2	2	5	3/1972	Simmons			
	3	6	6	0	1	7	3	05/1972	Matsuno et al.			
	3	8	2	0	5	2	3	06/1974	Showalter et al.			
	3	8	4	6	9	8	0	11/1974	DePalma			
	3	8	7	3	3	4	7	3/1975	Walter et al.			
	3	8	7	4	9	0	1	4/1975	Rairden, III			
	3	8	9	9	3	0	0	8/1975	D'Olier			
	3	9	1	1	8	7	5	10/1975	Ysberg			
	3	9	1	1	8	9	0	10/1975	Ansdale			
	3	9	1	1	8	9	1	10/1975	Dowell			
	3	9	2	8	0	2	6	12/1975	Hecht et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

		Process Coatings, Engine Coatings (visited May 21, 2001) <http://www.processcoatings.com/engine.htm>
		Technical Papers, Techniques for Low NOx Combustion on Medium Speed Diesel Engine, (visited Jul 11, 2001) <http://www.mesj.or.jp/bunken/english/text/mv28n012000p08.html>
		US Patent & Trademark Office, United States Patent: 5,722,379 (visited May 24, 2001) <http://www.164.195.100.11/netacgi/nph-...DX.)&OS=CCL/123/668&RS+CCL/123/668 >
EXAMINER		DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.96(b))							ATTY. DOCKET NO. 01-40147-US	SERIAL NO. Not Yet Assigned
							APPLICANT Gillston, et al.	
							FILING DATE August 1, 2001	GROUP Not Yet Assigned

U.S. PATENT DOCUMENTS											
EXAMINER INITIAL		PATENT NUMBER					ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3	9	4	7	5	4	5	3/1976	Ishida et al.	
		3	9	6	9	0	8	2	7/1976	Cairns et al.	
		3	9	7	6	8	0	9	8/1976	Dowell	
		4	0	0	5	9	8	9	2/1977	Preston	
		4	0	7	4	6	7	1	2/1978	Pennila	
		4	0	7	7	6	3	7	3/1978	Hyde et al.	
		4	1	2	2	6	7	3	10/1978	Leins	
		4	1	3	2	7	4	3	1/1979	Castor et al.	
		4	2	5	4	6	2	1	3/1981	Nagumo	
		4	2	7	3	8	2	4	6/1981	McComas et al.	
		4	2	7	6	3	3	1	6/1981	Bothwell	
		4	3	0	0	4	9	4	11/1981	Graiff et al.	
		4	3	1	8	8	9	4	3/1982	Hensel et al.	
		4	3	3	0	7	3	2	5/1982	Lowther	
		4	3	3	2	6	1	8	6/1982	Ballard	
		4	3	3	5	1	9	0	6/1982	Bill et al.	

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		Emission Standards: USA, Urban Bus Retrofit Rebuild (UBRR) Program, (visited Jul 9, 2001) < http://www.dieselnet.com/standards/us/ubrr.html >
		The U.S. Department of Energy, Engine Manufacturers Associations, Manufacturers of Emission Controls Association, "Final Report: Diesel Oxidation Catalysts and Lean-Nox Catalysts June 2001", Diesel Emission Control - Sulfur Effects (DECSE) Program, pp. 1-99.
		Jones, "Catalytic Combustion in Internal Combustion Engines: A Possible Explanation for the Woschni Effect in Thermally-Insulated Diesel Engines", Navel Research Laboratory, November 1996, pp. i-26.

EXAMINER	DATE CONSIDERED

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U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4	3	3	9	5	0	9	7/1982	Dardi et al.			
	4	3	4	0	0	1	9	7/1982	Barnert et al.			
	4	3	5	3	2	0	8	10/1982	Volker et al.			
	4	4	7	1	0	1	7	9/1984	Poeschel et al.			
	4	4	8	5	1	5	1	11/1984	Stecura			
	4	4	9	5	9	0	7	1/1985	Kamo			
	4	5	3	6	3	7	1	8/1985	Thayer et al.			
	4	5	7	7	6	1	1	3/1986	Hagino			
	4	5	7	8	1	1	4	3/1986	Rangaswamy et al.			
	4	5	9	9	2	7	0	7/1986	Rangaswamy et al.			
	4	6	3	3	9	3	6	1/1987	Nilsson			
	4	6	5	9	6	8	0	4/1987	Guile			
	4	7	0	6	6	1	6	11/1987	Yoshimitsu			
	4	7	2	8	4	4	8	3/1988	Sliney			
	4	7	5	5	3	6	0	7/1988	Dickey et al.			
	4	7	7	2	5	1	1	9/1988	Wood et al.			

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

		Kamo, "High Performance Coatings For Diesels and Other Heat Engines", Adiabatics, Inc., Advanced Engine Concepts, Thermal Spray Coatings Conference, September 1993.
		Kawamura, et al., "Improvement of Fuel Consumption and Exhaust Emissions in Ceramics Low Heat Rejection Engine", Isuzu Ceramics Research Institute Co., Ltd, ICE-Vol. 27-1, 1996 Fall Technical Conference, Vol. 1, ASME 1996, pp 69-78,
		Klett, et al., "Soot and No _x Emissions and Combustion Characteristics of Low Heat Rejection Direct Injection Diesel Engines", U.S. Army Research Office, January 1994, pp. I-iii, 1-109.

EXAMINER	DATE CONSIDERED
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								FILING DATE August 1, 2001	GROUP Not Yet Assigned

U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4	7	7	3	3	6	8	9/1988	Pfefferle			
	4	8	1	0	3	3	4	3/1989	Honey et al.			
	4	8	1	9	5	9	5	4/1989	Pfefferle			
	4	8	4	9	2	4	7	7/1989	Scanlon et al.			
	4	8	5	2	5	4	2	8/1989	Kamo et al.			
	4	8	6	7	1	1	6	9/1989	de Freitas Couto Rosa et al.			
	4	8	7	7	7	0	5	10/1989	Polidor			
	4	8	8	0	6	1	4	11/1989	Strangman et al.			
	4	9	0	2	3	5	8	2/1990	Napier et al.			
	4	9	0	5	6	5	8	3/1990	Pfefferle			
	4	9	0	9	2	3	0	3/1990	Kawamura			
	4	9	1	6	0	2	2	4/1990	Solfest et al.			
	4	9	3	0	6	7	8	6/1990	Cyb			
	4	9	6	6	8	2	0	10/1990	Kojima et al.			
	4	9	8	5	0	9	2	1/1991	Kaede et al.			
	5	0	3	3	4	2	7	7/1991	Kawamura et al.			
	5	0	5	7	3	7	9	10/1991	Fayeulle et al.			

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

		Osawa, et al., "Performance of Thin Thermal Barrier Coating on Small Aluminum Block Diesel Engine", SAE Technical Paper Series 910461, International Congress and Exposition, February/March 1991, pp. 1-8.
		Tree, et al., "Experimental Results on the Effect of Piston Surface Roughness and Porosity on Diesel Engine Combustion", Society of Automotive Engineers, Inc., 960036, March 1996, pp. 103-112.
		Tree, et al., "Experimental Measurements on the Effect of Insulated Pistons on Engine Performance and Heat Transfer", Society of Automotive Engineers, Inc., 960317, March 1996, pp. 131-142.

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U.S. PATENT DOCUMENTS											
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	5	0	8	0	0	5	6	1/1992	Kramer et al.		
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	5	1	3	6	9	9	4	8/1992	Gale		
	5	1	5	1	2	5	4	9/1992	Arai et al.		
	5	2	3	6	7	8	7	8/1993	Grassi		
	5	2	9	2	3	8	2	3/1994	Longo		
	5	3	3	4	2	3	5	8/1994	Dorfman et al.		
	5	3	8	4	2	0	0	1/1995	Giles et al.		
	5	4	0	8	9	6	4	4/1995	Rao		
	5	4	1	9	1	2	6	5/1995	Kiyooka		
	5	4	3	1	1	3	6	7/1995	Kenmoku et al.		
	5	4	4	1	0	2	4	8/1995	Wielig et al.		
	5	4	6	2	9	0	7	10/1995	Farrauto et al.		
	5	4	6	8	2	9	5	11/1995	Marantz et al.		
	5	4	9	1	1	2	0	2/1996	Voss et al.		
	5	4	9	5	8	3	7	3/1996	Mitsuhashi et al.		
	5	5	8	9	1	4	4	12/1996	Filippi et al.		

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OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

			Winkler, et al., "The Role of Diesel Ceramic Coatings in Reducing Automotive Emissions and Improving Combustion Efficiency", SAE Technical Paper Series 930158, March 1993, pp. 1-9.
			Wong, et al., "Assessment of Thin Thermal Barrier Coatings for I.C. Engines", SAE Technical Paper Series 950980, International Congress and Exposition, February/March 1993, pp. 1-11.
			Yonushonis, et al., "Engineered Thermal Barrier Coatings for Diesels", SAE Technical Paper Series 890297, International Congress and Exposition, February/March 1989, pp. 133-142.

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	5	7	1	4	2	0	5	2/1998	Marantz et al.		
	5	8	6	6	5	1	8	2/1999	Dellacorte et al.		
	5	9	3	4	6	4	8	8/1999	Rivers et al.		
	5	9	5	8	3	3	2	9/1999	Hoeg		
	5	9	8	7	8	8	2	11/1999	Voss et al.		
	6	0	0	6	5	1	6	12/1999	Voss et al.		
	6	0	4	7	5	4	3	4/2000	Caren et al.		
	6	0	8	5	7	1	4	7/2000	Wilson et al.		
	6	0	9	5	1	0	7	08/2000	Kloft et al.		
	6	2	2	6	8	6	6	5/2001	Wilson et al.		
	6	2	5	5	2	4	9	7/2001	Voss et al.		
	6	2	5	6	9	8	4	7/2001	Voss et al.		
	6	2	9	8	8	1	7	10/2001	Hoeg		

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